

Depth of Knowledge

<p>DOK Level 1 (RECALL)</p> <p>Level 1 is the recall of information such as a fact, definition, term, or a simple procedure, as well as performing a simple science process or procedure. Level 1 only requires students to demonstrate a rote response, use a well-known formula, follow a set procedure (like a recipe), or perform a clearly defined series of steps. There is a right or a wrong answer.</p>	<p>DOK Level 2 (EXPLORE RELATIONSHIPS)</p> <p>Level 2 includes the engagement of some mental processing beyond recalling or reproducing a response. The content knowledge or process involved is more complex than in level 1. Items require students to make some decisions as to how to approach the question or problem.</p>
<p>DOK Level 3 (STRATEGIC THINKING)</p> <p>Level 3 requires reasoning, planning, using evidence, and a higher level of thinking than the previous two levels. The cognitive demands at Level 3 are complex and abstract. The complexity results partly due to the possibility that there could be multiple answers and because the multi-step task requires more demanding reasoning.</p>	<p>DOK Level 4 (EXTENDED THINKING)</p> <p>Tasks at Level 4 have high cognitive demands and are very complex. Students are required to make several connections—relate ideas <i>within</i> the content area or <i>among</i> content areas—and have to select or devise one approach among many alternatives on how a situation can be solved. Level 4 requires complex reasoning, experimental design and planning, and probably will require an extended period of time either for the science investigation required by an objective, or for carrying out the multiple steps of an assessment item.</p>